

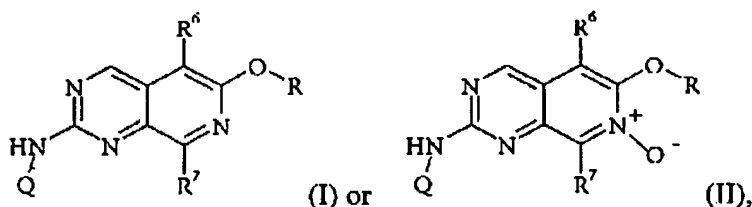
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SEP 28 2006 PATENT

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WHAT IS CLAIMED:

1. (Currently amended) A compound having the Formula (I) or (II):



or an isomer, prodrug, or a pharmaceutically-acceptable salt thereof, wherein:

R is selected from:

- (a) alkyl optionally-substituted with one to three of R<sup>17</sup>;
- (b) cycloalkyl optionally substituted with one, two or three groups selected from R<sup>18</sup>; and
- (c) optionally-substituted aryl;

Q is selected from alkyl, cycloalkyl, substituted cycloalkyl, heterocyclyl, substituted heterocyclyl, and alkyl substituted with one, two or three of halogen, cyano, -OR<sup>8</sup>, -SR<sup>8</sup>, -C(=O)R<sup>8</sup>, -C(O)<sub>2</sub>R<sup>8</sup>, -C(=O)NR<sup>8</sup>R<sup>9</sup>, -S(O)<sub>p</sub>R<sup>10</sup>, -C(O)<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, -S(O)<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, -NR<sup>8</sup>R<sup>9</sup>, cycloalkyl, substituted cycloalkyl, heterocyclyl, and/or substituted heterocyclyl;

R<sup>6</sup> is hydrogen or lower alkyl;

R<sup>7</sup> is selected from hydrogen, alkyl, substituted alkyl, halogen, cyano, nitro, hydroxy, alkoxy, haloalkoxy, amino, alkylamino, and optionally-substituted cycloalkyl, heterocyclyl, aryl, or heteroaryl;

R<sup>8</sup> and R<sup>9</sup> are (i) independently selected from hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, cycloalkyl, substituted cycloalkyl, heterocyclyl, and substituted heterocyclyl; or (ii) when R<sup>8</sup> and R<sup>9</sup> are attached to the same nitrogen atom (as in -C(O)<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, -S(O)<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, and -NR<sup>8</sup>R<sup>9</sup>), R<sup>8</sup> and R<sup>9</sup> may be taken together to form an optionally-substituted heterocyclyl ring;

R<sup>10</sup> is alkyl, hydroxyalkyl, alkoxyalkyl, cycloalkyl, substituted cycloalkyl, heterocyclyl, or substituted heterocyclyl;

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$R^{17}$  is at each occurrence independently selected from halogen, haloalkoxy, haloalkyl, alkoxy, or optionally-substituted phenyl, benzyl, phenyloxy, benzyloxy, or cycloalkyl;

$R^{18}$  is at each occurrence independently selected from alkyl, substituted alkyl, halogen, haloalkyl, haloalkoxy, cyano, alkoxy, acyl, alkoxycarbonyl, alkylsulfonyl, or optionally-substituted phenyl, phenyloxy, benzyloxy, cycloalkyl, heterocyclyl, or heteroaryl; and

$p$  is 1 or 2.

2. (Currently amended) A compound according to claim 1, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein:

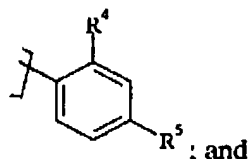
$Q$  is selected from an alkyl or substituted alkyl having the formula  $-C(R^1R^2R^3)$ ;

$R^1$ ,  $R^2$  and  $R^3$  are selected from hydrogen, alkyl, hydroxyalkyl, alkoxyalkyl,  $-(C_{1-4}\text{alkylene})-S(O)_pR^{10}$ ,  $-(C_{1-4}\text{alkylene})-C(O)_2R^8$ , cycloalkyl, cycloalkylalkyl, heterocyclyl, or heterocycloalkyl, wherein said cycloalkyl and heterocyclyl groups are, in turn, optionally substituted with up to one of  $R^{12}$  and up to one of  $R^{14}$ ; and

$R^{12}$  and  $R^{14}$  are independently selected where valence allows from  $C_{1-4}\text{alkyl}$ , hydroxy, oxo ( $=O$ ),  $-O(C_{1-4}\text{alkyl})$ ,  $-C(=O)H$ ,  $-C(=O)(C_{1-4}\text{alkyl})$ ,  $-C(O)_2H$ ,  $-C(O)_2(C_{1-4}\text{alkyl})$ , and  $-S(O)_2(C_{1-4}\text{alkyl})$ .

3. (Currently amended) A compound according to claim 1, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein  $R$  is phenyl substituted with one to two of lower alkyl, halogen, haloalkyl, haloalkoxy, cyano, and nitro.

4. (Currently amended) A compound according to claim 1, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein  $R$  is:



$R^4$  and  $R^5$  are selected from halogen, haloalkyl, haloalkoxy, and cyano.

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5. (Currently amended) A compound according to claim 4, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein:

R<sup>4</sup> and R<sup>5</sup> are both halogen.

6. (Currently amended) A compound according to claim 1, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein R<sup>6</sup> and R<sup>7</sup> are both hydrogen.

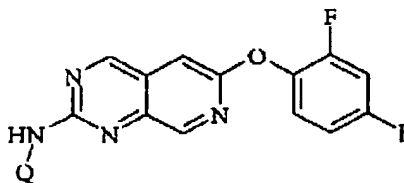
7. (Currently amended) A compound according to claim 1, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein Q is C<sub>1-6</sub>alkyl or hydroxy(C<sub>1-6</sub>alkyl).

8. (Currently amended) A compound according to claim 1, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein Q is an optionally-substituted C<sub>3-7</sub>cycloalkyl or an optionally-substituted heterocyclic ring.

9. (Currently amended) A compound according to claim 1, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein:

Q is cyclohexyl, piperidin-4-yl, or tetrahydropyran-4-yl, wherein each of said rings in turn is optionally-substituted with up to two of lower alkyl, -OH, -C(O)<sub>2</sub>(C<sub>1-4</sub>alkyl) and/or -S(O)<sub>2</sub>(CH<sub>3</sub>).

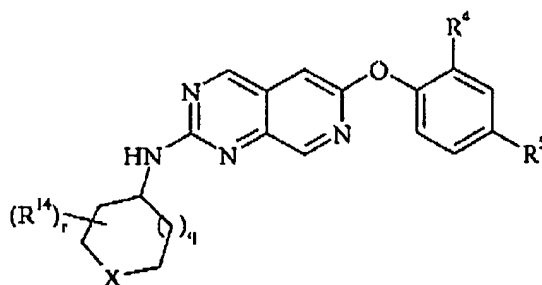
10. (Currently amended) A compound according to claim 1, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, having the formula:



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11. (Currently amended) A compound according to claim 1, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, having the formula:



wherein:

X is  $-O-$ ,  $-C(=O)-$ ,  $-N(R^{12a})-$ , or  $-CH(R^{12b})-$ ;

$R^{12a}$  is selected from hydrogen,  $C_{1-4}$ alkyl,  $-C(=O)R^{15}$ ,  $-C(O)_2R^{15}$ , and  $-S(O)_2(C_{1-4}alkyl)$ ;

$R^{12b}$  is selected from hydrogen,  $C_{1-4}$ alkyl,  $-OR^{15}$ ,  $-C(=O)R^{15}$ ,  $-C(O)_2R^{15}$ , and  $-S(O)_2(C_{1-4}alkyl)$ ;

$R^{14}$  is selected from  $C_{1-4}$ alkyl, oxo ( $=O$ ),  $-OR^{15}$ ,  $-C(=O)R^{15}$ ,  $-C(O)_2R^{15}$ , and  $-S(O)_2(C_{1-4}alkyl)$ ;

$R^{15}$  is selected from hydrogen and  $C_{1-4}$ alkyl;

$q$  is 0 or 1; and

$r$  is 0, 1 or 2.

12. (Currently amended) A compound according to claim 11, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein:

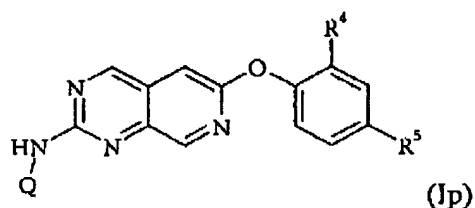
$R^4$  and  $R^5$  are both fluoro.

13. (Currently amended) A compound according to claim 11, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein X is  $-NR^{12a}$ ,  $R^{12a}$  is  $-S(O)_2(C_{1-4}alkyl)$ , and  $q$  is 1.

14. (Currently amended) A compound having the formula (Ip),

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or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein:

Q is alkyl, substituted alkyl or an optionally-substituted cycloalkyl or heterocyclyl, provided Q is not arylalkyl or heteroarylalkyl ; and

R<sup>4</sup> and R<sup>5</sup> are both halogen [[:]] .

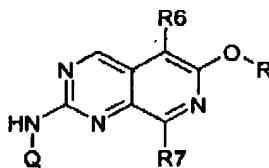
15. (Currently amended) A compound according to claim 14, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein R<sup>4</sup> and R<sup>5</sup> are both fluoro.

16. (Currently amended) A compound according to claim 14, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein Q is an optionally-substituted monocyclic cycloalkyl or heterocyclyl ring.

17. (Currently amended) A pharmaceutical composition comprising a therapeutically effective amount of compound according to Claim 1, or a pharmaceutically-acceptable salt thereof, in combination with a pharmaceutically-acceptable excipient.

18-20. (Canceled)

21. (Original) A process for preparing a compound of formula (I)



wherein R is selected from:

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(a) alkyl optionally-substituted with one to three of R<sup>17</sup>;

(b) cycloalkyl optionally substituted with one, two or three groups selected from R<sup>18</sup>; and

(c) optionally-substituted aryl;

Q is selected from alkyl, cycloalkyl, substituted cycloalkyl, heterocyclyl, substituted heterocyclyl, and alkyl substituted with one, two or three of halogen, cyano, -OR<sup>8</sup>, -SR<sup>8</sup>, -C(=O)R<sup>8</sup>, -C(O)<sub>2</sub>R<sup>8</sup>, -C(=O)NR<sup>8</sup>R<sup>9</sup>, -S(O)<sub>p</sub>R<sup>10</sup>, -C(O)<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, -S(O)<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, -NR<sup>8</sup>R<sup>9</sup>, cycloalkyl, substituted cycloalkyl, heterocyclyl, and/or substituted heterocyclyl;

R<sup>6</sup> is hydrogen or lower alkyl;

R<sup>7</sup> is selected from hydrogen, alkyl, substituted alkyl, halogen, cyano, nitro, hydroxy, alkoxy, haloalkoxy, amino, alkylamino, and optionally-substituted cycloalkyl, heterocyclyl, aryl, or heteroaryl;

R<sup>8</sup> and R<sup>9</sup> are (i) independently selected from hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, cycloalkyl, substituted cycloalkyl, heterocyclyl, and substituted heterocyclyl; or (ii) when R<sup>8</sup> and R<sup>9</sup> are attached to the same nitrogen atom, R<sup>8</sup> and R<sup>9</sup> may be taken together to form an optionally-substituted heterocyclyl ring;

R<sup>10</sup> is alkyl, hydroxyalkyl, alkoxyalkyl, cycloalkyl, substituted cycloalkyl, heterocyclyl, or substituted heterocyclyl;

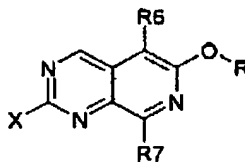
R<sup>17</sup> is at each occurrence independently selected from halogen, haloalkoxy, haloalkyl, alkoxy, or optionally-substituted phenyl, benzyl, phenyloxy, benzyloxy, or cycloalkyl;

R<sup>18</sup> is at each occurrence independently selected from alkyl, substituted alkyl, halogen, haloalkyl, haloalkoxy, cyano, alkoxy, acyl, alkoxycarbonyl, alkylsulfonyl, or optionally-substituted phenyl, phenyloxy, benzyloxy, cycloalkyl, heterocyclyl, or heteroaryl; and

p is 1 or 2;

wherein said process comprises:

(i) providing a compound of formula (8); and



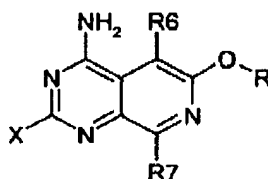
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where X is a leaving group; and

(ii) contacting said compound of formula (8) with a compound of the formula  $\text{NH}_2\text{Q}$  in a polar, aprotic solvent.

22. (Original) The process of claim 21, wherein said compound of formula (8) is provided by treating a compound of formula (7) with *t*-butylnitrite:



\* \* \* \* \*